

IN ERNATIONAL SEARCH REPORT

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			PCT/EP 03,	/50961
A. CLASSII IPC 7	FICATION OF SUBJECT MATTER H01H13/70			
According to	o International Patent Classification (IPC) or to both national classification	lication and IPC		
	SEARCHED	-11		
IPC 7	cumentation searched (classification system followed by classification HO1H	ation symbols)		
Documental	ion searched other than minimum documentation to the extent tha	t such documents are incl	uded in the fields se	parched
	ala base consulted during the International search (name of data ternal, WPI Data	base and, where practical	, search lerms used)
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where appropriate, of the	relevant passages		Relevant to claim No.
X Y	US 4 362 911 A (GROSS JACK R ET AL) 7 December 1982 (1982-12-07) the whole document		1-4,6,7, 12,14	
				1,2,5,8,
X	DATABASE WPI Section EI, Week 198907 Derwent Publications Ltd., Londo Class T04, AN 1989-052887 XP002239792 & SU 1 415 258 A (MOROZ I V), 7 August 1988 (1988-08-07)	on, GB;	!	11,15
Υ	abstract; figure			10,13
Υ	US 4 268 815 A (CHRISTIANSEN M AL) 19 May 1981 (1981-05-19) column 3, line 45 -column 4, line figure 2		-	9,10
X Furti	her documents are listed in the continuation of box C.	X Patent family	members are listed t	л алпех.
"A" document defining the general state of the lart which is not considered to be of particular relevance "E" earlier document but published on or after the international filling date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filling date but		or priority date an clied to understan Invention 'X' document of partic cannot be considid Involve an invente 'Y' document of partic cannot be considid document is comments, such comin the art. '&' document member Date of mailing of the client of the considirect of the considirect of the considirect of the consideration	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled	
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Intermonal Application No
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C.(Continua	Ition) DOCUMENTS CONSIDERED TO BE RELEVANT		Delevent to states ht-
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Y	US 4 679 030 A (VOLNAK WILLIAM M) 7 July 1987 (1987-07-07) column 4, line 66 -column 5, line 19; figure 6		13
X	GB 2 133 216 A (NIPPON MEKTRON KK) 18 July 1984 (1984-07-18) the whole document		1,6,7,11
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A	WO 81 00787 A (MARSHALL E DESIGN INT LTD ;MARSHALL E (GB)) 19 March 1981 (1981-03-19) the whole document		1
A	US 4 348 557 A (SADO RYOICHI) 7 September 1982 (1982-09-07) column 4, line 56 -column 5, line 4; figure 1A		1
A	US 4 520 248 A (WOELFEL ROBERT) 28 May 1985 (1985-05-28) the whole document		1